

CLAIMS

1. A wireless communication system comprising:

a wireless LAN access point connected to a public wireless access network;

5 a first mobile communication terminal connectable to the wireless LAN access point and having a first wireless LAN interface; and

a second mobile communication terminal connectable to the public wireless access network, connectable to the first mobile communication terminal by way of the first wireless LAN interface and having a second wireless LAN interface, characterized in that

the first mobile communication terminal includes:

a communication status detecting means that detects the strength of the received signal from the wireless LAN access point and/or the status of communication with the wireless LAN access point;

a connection request transmitting means for transmitting a connection request signal to the second mobile communication terminal by way of the wireless LAN access point and the public wireless access network when the communication status detecting means recognizes the necessity of connection to the second mobile communication terminal by way of the first wireless LAN interface and the second wireless LAN interface;

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a wireless LAN connection switching means for establishing connection to the second wireless LAN interface of the second mobile communication terminal when the communication status detecting means determines that communication with the second mobile communication terminal by way of the second wireless LAN interface will be permitted, and

the second mobile communication terminal includes:

a connection request receiving means for receiving the connection request signal; and

a base station connecting means which establishes connection to the public wireless access network and validates the second wireless LAN interface upon reception of the connection request signal, so as to enable its connection with the first mobile communication terminal by way of the first wireless LAN interface and the second wireless LAN interface.

2. The wireless communication system according to Claim 1, wherein the second wireless LAN interface of the second mobile communication terminal has a wireless LAN access point or wireless LAN client function, and

when the communication status detecting means determines that the first mobile communication terminal can be connected by means of the wireless LAN access point or wireless LAN client function of the second mobile communication terminal,

the wireless LAN connection switching means establishes connection to the wireless LAN access point or wireless LAN client function of the second mobile communication terminal, in infrastructure mode or in ad hoc mode.